

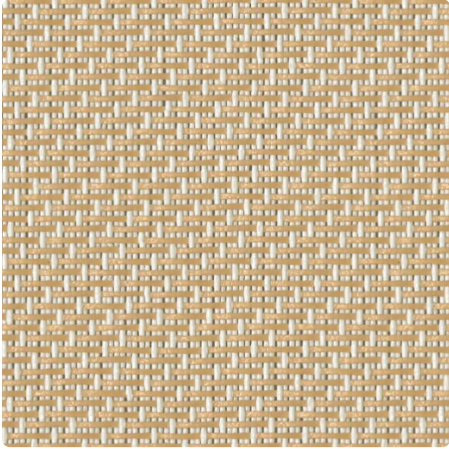
MERMET

HIGH PERFORMANCE

OPTIMAL 5

Optimal balance between visual and thermal performance thanks to its double-sided pattern

COLOUR 00020005 White Sand (Side A)



WIDTH(S)	250, 320 cm
DENSITY	5%
VISUAL COMFORT - WHITE SAND (SIDE A)	
Glare control	0
View through	2
Privacy	1
Daylight	2
THERMAL COMFORT WITH GLAZING F	
Class interior	1
THERMAL AND VISUAL PROPERTIES	
Solar Reflectance Rs	44,7%
Solar Transmittance Ts	19,9%
Interior g-tot - Glazing F	0,415
Visual Transmittance Tv	0,171
Diffuse Visual Transmittance Tv _{n-dif}	0,118
Direct Visual Transmittance Tv _{n-n}	0,053

ABOUT THIS RANGE



Unlock augmented features with our cutting-edge fabrics, delivering high added value and best-in-class performance for glare control, temperature management or acoustical comfort.

OPTIMAL 5

- ✓ Optimal balance between visual and thermal performance thanks to its double-sided pattern
- ✓ Dark-coloured side for a good view to the outside
- ✓ Reflective white side for thermal comfort
- ✓ 2 other densities for tailored solar shading based on building orientation
- ✓ Extra wide width (320 cm)

TECHNICAL DATA

GENERAL FABRIC PROPERTIES

	Average value	Standard
Weighted composition	36% Fibreglass - 64% PVC	
Weaving pattern	Satin	
Width(s)	250, 320 cm	
Roll length (nominal)	Rolls of 33 lm	
Surface mass (weight)	412 g/m ² ± 5%	ISO 2286-2
Thickness	0.6 mm ± 5%	ISO 2286-3
Colour fastness to artificial light (scale of 8)	≥ 7/8 (white not graded)	ISO 105 B02
Acoustic properties (αw)	0.16	ISO 10534-2

MECHANICAL PROPERTIES

	Average value	Standard
Breaking strength - Warp	>180 daN/5 cm	ISO 1421
Breaking strength - Weft	>120 daN/5 cm	ISO 1421
Elongation at break - Warp	<5%	ISO 1421
Elongation at break - Weft	<5%	ISO 1421
Tear strength - Warp	≥5 daN	ISO 4674-1 method 2
Tear strength - Weft	≥6 daN	ISO 4674-1 method 2

FIRE CERTIFICATES

		Standard
European Union - Spain	Class 1	EN 13773
France	M1	NF P 92-507
Germany	B1	DIN 4102-1
Italy	Classe Uno	UNI 9177
United States	FR	NFPA 701

THERMAL AND VISUAL PROPERTIES

Thermal properties

Solar Transmittance Ts (%)	19,9
Solar Reflectance Rs (%)	44,7
Solar Absorptance As (%)	35,4

Visual properties

Direct Visual Transmittance Tv _{n-n}	0,053
Diffuse Visual Transmittance Tv _{n-dif}	0,118
Diffuse Hemispherical Transmittance Tv _{dif-h}	0,144
Visual Transmittance Tv	0,171
Daylight	2
Glare control	0
Privacy	1
View through	2
UV Protection (Suv Class)	2

Thermal factors	Average value	Class
G _{tot} Glazing F	0,415	1
G _{tot} Glazing G	0,208	2
G _{tot} Glazing H	0,357	1

HEALTH, SAFETY AND OTHER PROPERTIES



Warranty



Reach compliant



Printable



Lead free



Fire retardant



Made in EU



Greenguard Gold